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SHARP 14LM-40ERU SERVICE MANUAL

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SHARP®

SERVICE MANUAL

SE0014LM40R00
Issued: 15 Feb. 2006

AK-36 CHASSIS

PAL SECAM B/G, L, L', D/K SYSTEM COLOUR TELEVISION

MODEL
14LM-40ERU

In the interests of user safety (required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

In order to service the model 14LM-40ERU, refer to the AK-36 Chassis Service Manual (SE00AK36CHA00).

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SHARP CORPORATION

This document has been published to be used for after sales service only.

SERVICE MANUAL UPDATE LOG SHEET

Technical Report No. Technical Bulletin No.	Cause / Solution	Part No.	Page No.	Application Data /Serial No.

Use this page to keep any special servicing information as Technical Report (Bulletin), Technical Information, etc.
If only part number changes are required, just change part number directly the part number in the Parts Listing Section.
If you need more information, please refer to the Technical Report (Bulletin).

ELECTRICAL SPECIFICATIONS

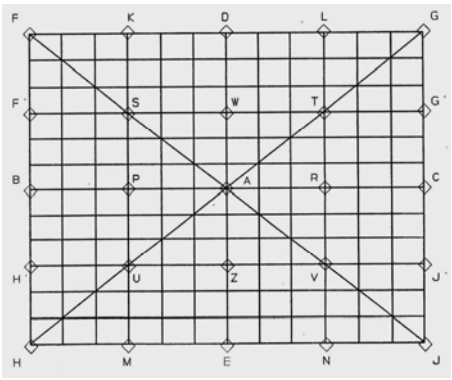
•Power Input ..... 220V-240 Volts AC 50 Hz

•Power Consumption
Normal Operation (Method IEC60107) ..... 40 W
Stand-by Operation ..... < 10 W

•Audio Power Output Rating (MPO) / Impedance
Internal Speaker ..... 5 W, 16 Ω

•Speakers
Speaker (1 pc) ..... 50 x 90 mm

•Convergence (Maximum Misconvergence)



AREA	mm
A	0.3
BC	0.8
DE	0.8
FGHJ	1.3
KLMN	1.0
F'G'H'J'	1.0
STUV	0.9

•Picture Intermediate frequency
L' 33.9MHz
L, B/G, D/K 38.9MHz

•Sound Carrier Trap
L' 40.4MHz
L, D/K 32.4MHz
B/G 33.4MHz

•Adjacent Sound Carrier Trap
L' 32.4MHz
L, D/K, B/G 40.4MHz

•Adjacent Picture Carrier Trap
L' 41.9MHz
L, D/K 30.9MHz
B/G 31.9MHz

•Aerial Input Impedance
VHF/UHF ..... 75 ohm Unbalanced

•Tuning Ranges ..... 48.25MHz thru 855.25 MHz
VHF: S1 - S41 CH (Hiperband)
E2 - E12 / F2 - F10
UHF: E21 - E69
VHF: OIRT R1-R12

•White Level
Apply the rated voltage at the rated frequency to the TV set, while it is receiving full white pattern RF signal of 60 dB/μV from its RF input via the pattern generator.
Turn all picture controls to maximum value. Measure the colour temperatures at the center of the screen by using the colour analyzer.

X=0.304 ± 0.015 Y=0.306 ± 0.015

Specifications are subject to change without prior notice.

WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis.
To prevent electric shock, do not remove cover. No user-serviceable parts inside. Refer servicing to qualified service personnel.

IMPORTANT SERVICING NOTES

Only qualified service personnel are allowed to carry out maintenance and repair of this receiver.

Servicing of High Voltage System and CRT

It is important that the static charge is removed from the high voltage system when carrying out work on the receiver. This can be achieved by connecting a 10K resistor (with a suitably insulated lead) from the CRT cavity connector to the CRT ground tag. This must be carried out with the AC supply disconnected from the receiver.

Note the following:

- The CRT in this receiver employs Integral Implosion Protection.
- If the CRT has to be changed it MUST be replaced with the correct type for continued safe working.
- DO NOT lift the CRT by its neck.
- When handing the CRT, ensure that shatterproof goggles are worn.
- Ensure that the CRT is discharge before handling.

X-Ray

This receiver is designed to keep any x-ray emission to an absolute minimum. Some fault conditions and servicing procedures may produce potentially hazardous x-ray radiation levels. This is a problem when in close proximity to the receiver for long periods of time. To reduce any risks associated with this, please observe the following precautions:

1. When undertaking any servicing on this chassis, DO NOT increase the EHT to more than 27.5 KV, (at a instantaneous beam current of 1000 μA).

2. Ensure that during normal operation the EHT does not exceed 23.1 KV (at a beam current of 800 μA). This level has been preset in the factory. Always check that this level has not been exceeded after carrying out any repair on the receiver.

3. DO NOT replace the CRT with any other type than that specified in the parts listing as this may cause excessive x-ray radiation.

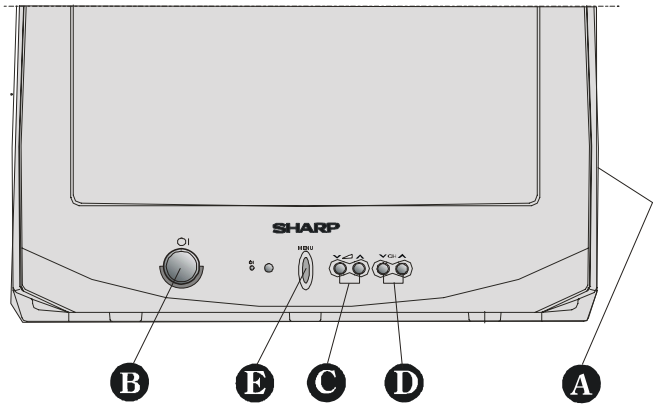
Before returning the receiver to the customer

In addition to the above checks, the following should also be carried out before returning the receiver to the customer.

1. Inspect all the leads to ensure that they are dressed correctly and that they are not obstructed or pinched by any other parts.

2. Ensure that all protective devices are in good condition. These will include nonmetallic control knobs, insulating fish papers, cabinets backs, compartment covers or shields, mechanical insulators, etc.

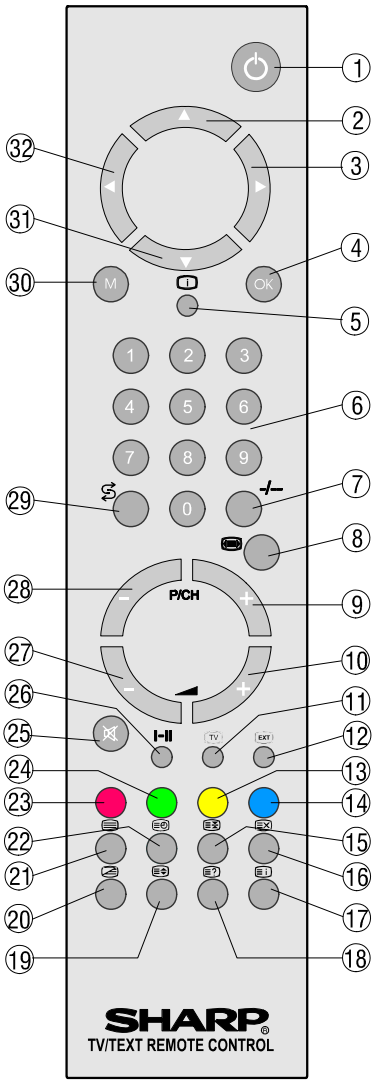
CONTROLS & TERMINALS



- **A** Speaker
- **B** ⏻ = Power On / Off
- **C** ∨ 🔊 ∧ = Volume -/+
- **D** ∨ **CH** ∧ = Program -/+
- **E** **MENU** = Menu

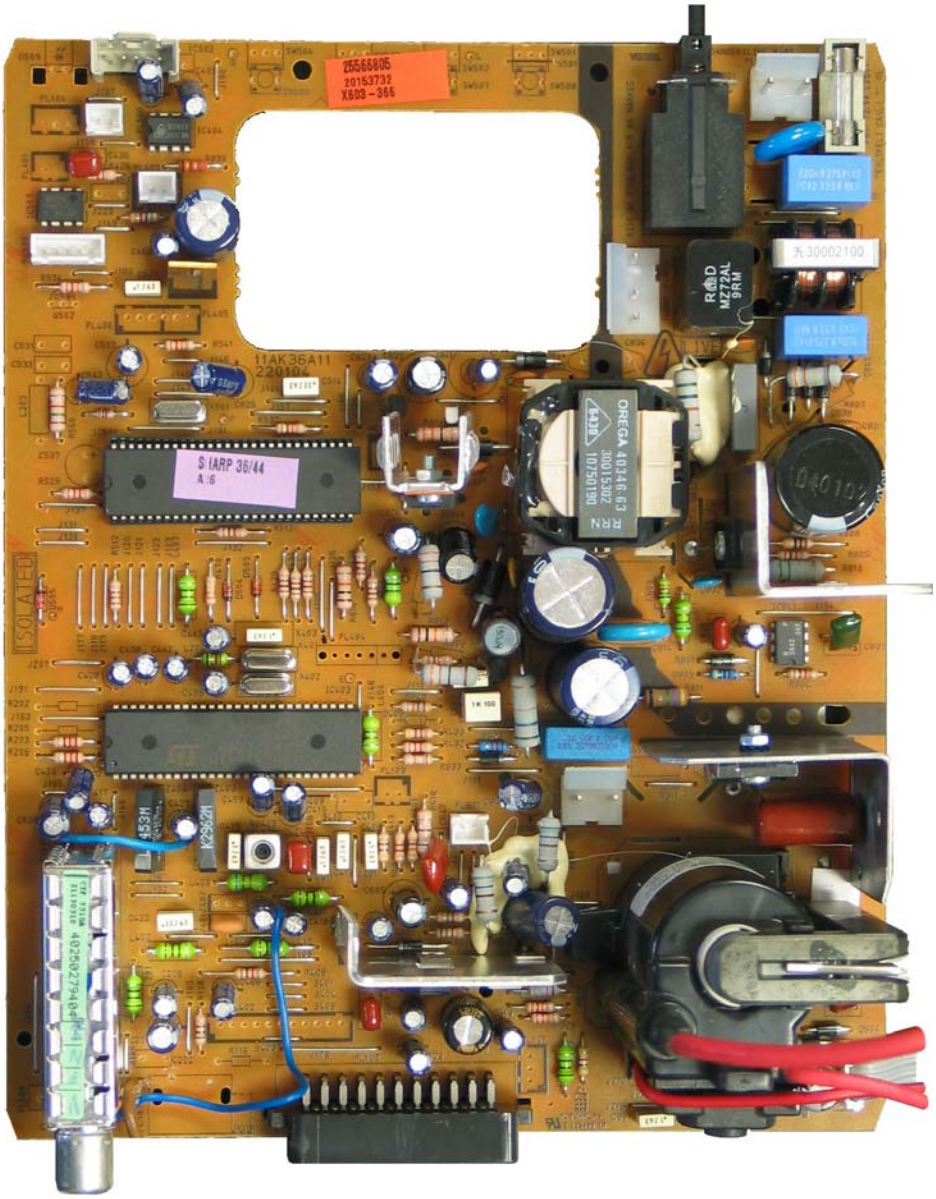
REMOTE CONTROL

1. ⏻ = Stand By
2. △ = Cursor Up
3. ▷ = Cursor Right
4. OK = OK
5. ⓘ = Info (Program Menu)
6. **0 - 9** = Direct Program
7. **-/--** = Double Digit
8. = Wide mode button
9. **P/CH+** = Program +
10. **+** = Volume +
11. TV = TV / Quit Menu
12. EXT = EXT button (**SCART, RGB**)
13. **Yellow** = Feature Menu
14. **Blue** = Installation Menu
15. = Hold
16. = Update
17. = Index Page
18. = Reveal
19. = Expand
20. = Mix
21. = Teletext
22. = Time
23. **Red** = Sound Menu
24. **Green** = Picture Menu
25. = Mute
26. **I-II** = No function
27. **-** = - Volume
28. **- P/CH** = -Program
29. = Flash back button
30. **M** = Menu
31. ▽ = Cursor Down
32. ◁ = Cursor Left

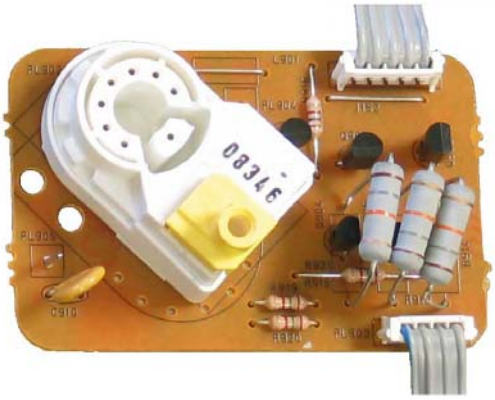


CHASSIS LAYOUT

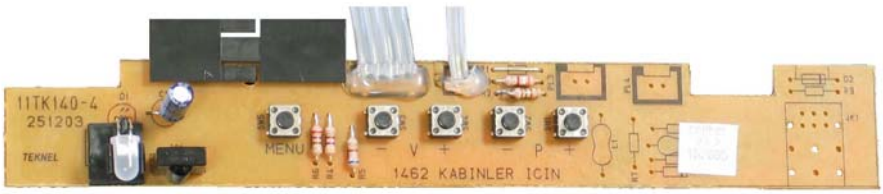
Mother Unit



CRT Unit



Front Unit



PARTS LISTING

REPLACEMENT PARTS

Replacement parts which have special safety characteristics are identified in this manual. Electrical components having such features are identified by in the Replacement Parts Listing.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended is not permitted.
Replacement parts not shown in this service manual may create shock fire, or other hazards.

HOW TO ORDER REPLACEMENT PARTS

To have your order completed promptly and correctly please supply the following information.

1. MODEL NUMBER
2. REF. NO.
3. PART NO. (*)
4. DESCRIPTION
5. CODE
6. QUANTITY

(*) When ordering any part, a "V" should be added before the Part No.

	REF No.	(*) PARTS	DESCRIPTION	SN CODE	EX CODE
			PICTURE TUBE		
⚠		30002747	14" CRT TUBE SAFE RoHS	BL	CC
⚠		30042048	14"DEG COIL&EARTH CB. SAFE (SHARP) RoHS	AG	AR
			TUNER		
	TU201	30009637	TUNER WSP (PLL) CTF5510ARoHS	AR	BC
			INTEGRATED CIRCUITS		
	IC1	30001669	PREAMPLIFIER TFMS1380 RoHS	AD	AM
	IC403	30026922	IC STV2248H (SHRINK56) ROHS	AR	BC
	IC404	30001612	IC TDA2822M RoHS	AD	AN
	IC500	20159398	IC 24C08 X67815030110122104(SHARP)		
	IC501	20170086	PR.IC.36/44-SHARP 36_44_B31	AS	BD
	IC600	30015306	IC TDA8174AW RoHS	AD	AN
	IC810	30001668	IC LM317T ROHS RoHS	AC	AH
	IC841	30034683	IC UC3842AN ROHS	AC	AH
	IC842	30001622	IC 7805 (1A) RoHS	AB	AF
			TRANSISTORS		
	Q103	30001457	TR BC848B SMD RoHS	AA	AC
	Q104	30001457	TR BC848B SMD RoHS	AA	AC
	Q458	30001457	TR BC848B SMD RoHS	AA	AC
	Q459	30001457	TR BC848B SMD RoHS	AA	AC
	Q460	30001457	TR BC848B SMD RoHS	AA	AC
	Q501	30001458	TR BC858B SMD RoHS	AA	AB
	Q601	30013656	TR POWER STX112-AP ROHS	AA	AE
	Q602	30001448	TR BU808DFI ROHS	AF	AQ
	Q603	30001457	TR BC848B SMD RoHS	AA	AC
	Q801	30001385	TR MTP3N60E (PLASTİK) RoHS	AE	AP
	Q803	30001457	TR BC848B SMD RoHS	AA	AC
	Q805	30014346	IC 78L05 TO-92 (100mA). RoHS	AA	AE
	Q901	30001461	TR 2SC2482 ROHS	AA	AD
	Q902	30001461	TR 2SC2482 ROHS	AA	AD
	Q903	30001461	TR 2SC2482 ROHS	AA	AD
	Q904	30001426	TR BF421 ROHS	AA	AD
	Q905	30001426	TR BF421 ROHS	AA	AD
	Q906	30001426	TR BF421 ROHS	AA	AD
			DIODES		
	D1	30001279	LED RED/GREEN LTL293SJ RoHS	AC	AH
	D1	30001329	DIODE 1N4007 1A/1000V 30A ROHS	AA	AB
	D102	30038472	DIODE ZENER SMD C5V1 SOD123 ROHS	AA	AA
	D103	30038472	DIODE ZENER SMD C5V1 SOD123 ROHS	AA	AA
	D104	30038472	DIODE ZENER SMD C5V1 SOD123 ROHS	AA	AA
	D105	30038472	DIODE ZENER SMD C5V1 SOD123 ROHS	AA	AA
	D106	30038472	DIODE ZENER SMD C5V1 SOD123 ROHS	AA	AA
	D107	30038472	DIODE ZENER SMD C5V1 SOD123 ROHS	AA	AA
	D108	30038476	DIODE ZENER C12V SMD SOD123 ROHS	AA	AA
	D109	30038472	DIODE ZENER SMD C5V1 SOD123 ROHS	AA	AA
	D110	30038472	DIODE ZENER SMD C5V1 SOD123 ROHS	AA	AA
	D111	30038480	DIODE ZENER C5V6 SMD SOD123 ROHS	AA	AA
	D402	30038472	DIODE ZENER SMD C5V1 SOD123 ROHS	AA	AA
	D403	30001285	DIODE 1N4148 SMD ROHS	AA	AB

REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
D406	30001285	DIODE 1N4148 SMD ROHS	AA	AB
D407	30001285	DIODE 1N4148 SMD ROHS	AA	AB
D410	30038477	DIODE ZENER C8V2 SMD SOD123 ROHS	AA	AA
D411	30038477	DIODE ZENER C8V2 SMD SOD123 ROHS	AA	AA
D412	30038477	DIODE ZENER C8V2 SMD SOD123 ROHS	AA	AA
D413	30038476	DIODE ZENER C12V SMD SOD123 ROHS	AA	AA
D414	30038476	DIODE ZENER C12V SMD SOD123 ROHS	AA	AA
D501	30001285	DIODE 1N4148 SMD ROHS	AA	AB
D502	30038479	DIODE ZENER SMD C3V6 SOD123 ROHS	AA	AA
D503	30001284	DIODE 1N4148 0.15A/100V 0.5A ROHS	AA	AB
D504	30001284	DIODE 1N4148 0.15A/100V 0.5A ROHS	AA	AB
D505	30001377	DIODE ZENER 33V UZT 33B ROHS	AB	AF
D601	30001329	DIODE 1N4007 1A/1000V 30A ROHS	AA	AB
D602	30001285	DIODE 1N4148 SMD ROHS	AA	AB
D604	30001318	DIODE BA159 1A/800V 20A ROHS	AA	AB
D605	30001318	DIODE BA159 1A/800V 20A ROHS	AA	AB
D606	30001318	DIODE BA159 1A/800V 20A ROHS	AA	AB
D609	30001284	DIODE 1N4148 0.15A/100V 0.5A ROHS	AA	AB
D610	30038476	DIODE ZENER C12V SMD SOD123 ROHS	AA	AA
D611	30030809	DIODE ZENER SMD BZT55B10V ROHS	AA	AA
D616	30000594	RES CF 1/4W 22K J. ROHS	AA	AB
D801	30001285	DIODE 1N4148 SMD ROHS	AA	AB
D802	30001318	DIODE BA159 1A/800V 20A ROHS	AA	AB
D803	30001331	DIODE 1N4937 1A/600V 30A ROHS	AA	AD
D804	30001288	DIODE BYV27-200 2A/200V 50A ROHS	AA	AD
D805	30001301	DIODE BYM26D 2.3A/800V 45-150A RoHS	AB	AF
D806	30001288	DIODE BYV27-200 2A/200V 50A ROHS	AA	AD
D811	30001318	DIODE BA159 1A/800V 20A ROHS	AA	AB
D813	30001318	DIODE BA159 1A/800V 20A ROHS	AA	AB
D837	30001318	DIODE BA159 1A/800V 20A ROHS	AA	AB
D838	30001318	DIODE BA159 1A/800V 20A ROHS	AA	AB
D839	30038472	DIODE ZENER SMD C5V1 SOD123 ROHS	AA	AA
D840	30001285	DIODE 1N4148 SMD ROHS	AA	AB
D841	30031925	DIODE BA159 1A/1000V DO214AC (SMD) ROHS	AA	AC
D842	30031925	DIODE BA159 1A/1000V DO214AC (SMD) ROHS	AA	AC
D901	30001284	DIODE 1N4148 0.15A/100V 0.5A ROHS	AA	AB
D902	30001284	DIODE 1N4148 0.15A/100V 0.5A ROHS	AA	AB
D903	30001284	DIODE 1N4148 0.15A/100V 0.5A ROHS	AA	AB
D904		Jumper Wire		
D905		Jumper Wire		
D906		Jumper Wire		
D907	30000583	RES CF 1/4W 220R J ROHS	AA	AB
D908	30000583	RES CF 1/4W 220R J ROHS	AA	AB
D909	30000583	RES CF 1/4W 220R J ROHS	AA	AB
D910	30001318	DIODE BA159 1A/800V 20A ROHS	AA	AB
D911	30001318	DIODE BA159 1A/800V 20A ROHS	AA	AB
D912	30001318	DIODE BA159 1A/800V 20A ROHS	AA	AB
		PACKAGED CIRCUITS		
X401	30001749	XTAL 4.433619 Series HC49U ROHS	AC	AK
X402	30015592	XTAL 3.579545 (WO/LOAD CAP) ROHS	AB	AG
X501	30002851	XTAL 4.000 30p HC49U ROHS	AC	AH
		COILS		
L101	30001971	FERRITE SMD600R/100MHz200mA1.1R(805)ROHS	AA	AD
L107	30001734	JUMPER SMD (0805) ROHS	AA	AB
L108	30001734	JUMPER SMD (0805) ROHS	AA	AB
L109	30013412	FERRITE SMD1.5K/100MHz200mA0.4R(805)RoHS	AA	AA
L110	30013412	FERRITE SMD1.5K/100MHz200mA0.4R(805)RoHS	AA	AA
L111	30001971	FERRITE SMD600R/100MHz200mA1.1R(805)ROHS	AA	AD
L201	30001992	FIXEDCOIL AXI10uH500mAQ85K0.58R4x9.8ROHS	AA	AB
L202	30001971	FERRITE SMD600R/100MHz200mA1.1R(805)ROHS	AA	AD
L204	30001984	FIXEDCOIL AXI2.2uH230mAQ55M1.2R2.7x7ROHS	AA	AB
L205	30006712	FERRITE BEAD AXI 3.5x4.7x0.8 ROHS	AA	AB
L206	30001971	FERRITE SMD600R/100MHz200mA1.1R(805)ROHS	AA	AD
L207	30001971	FERRITE SMD600R/100MHz200mA1.1R(805)ROHS	AA	AD
L402	30001992	FIXEDCOIL AXI10uH500mAQ85K0.58R4x9.8ROHS	AA	AB
L403	30001990	FIXEDCOILAXI6.8uH550mAQ75K0.48R4x9.8ROHS	AA	AB
L404	30001987	FIXEDCOIL AXI4.7uH620mAQ70K0.4R4x9.8ROHS	AA	AB
L406	30001971	FERRITE SMD600R/100MHz200mA1.1R(805)ROHS	AA	AD

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	L407	30001992	FIXEDCOIL AXI10uH500mAQ85K0.58R4x9.8ROHS	AA	AB
	L408	30001971	FERRITE SMD600R/100MHz200mA1.1R(805)ROHS	AA	AD
	L409	30001971	FERRITE SMD600R/100MHz200mA1.1R(805)ROHS	AA	AD
	L410	30001992	FIXEDCOIL AXI10uH500mAQ85K0.58R4x9.8ROHS	AA	AB
	L411		Jumper Wire		
	L602		Jumper Wire		
⚠	L801	30031103	LINE FILTER SAFE 2*27MH RoHS	AA	AE
	L802	30001971	FERRITE SMD600R/100MHz200mA1.1R(805)ROHS	AA	AD
	L803	30001984	FIXEDCOIL AXI2.2uH230mAQ55M1.2R2.7x7ROHS	AA	AB
	L804	30001971	FERRITE SMD600R/100MHz200mA1.1R(805)ROHS	AA	AD
	L805	30001971	FERRITE SMD600R/100MHz200mA1.1R(805)ROHS	AA	AD
	L806	30031101	FIXED COIL 150UH 0.82A RAD 8*12 RoHS	AA	AB
	L810	30001971	FERRITE SMD600R/100MHz200mA1.1R(805)ROHS	AA	AD
	L811	30001990	FIXEDCOILAXI6.8uH550mAQ75K0.48R4x9.8ROHS	AA	AB
			CERAMIC FILTERS		
	Z401	30001728	TRIPLE TRAP TPT02B ROHS	AG	AT
	Z403	30012544	FILTER SAW K2966 ROHS	AH	AU
			TRANSFORMERS		
⚠	TR601	30017788	TRF FBT SAFE 90(AK30-36 LAYER TYPE)RoHS	AT	BE
⚠	TR801	30015302	TRF SMPS SAFE AK36 90° (170-270V) RoHS	AF	AR
			CAPACITORS		
	C1	30000371	CAP EL 22UF 50V M ROHS	AA	AB
	C103	30000345	CAP EL 10UF 50V M ROHS	AA	AB
	C104	30012591	CAP SMD 5.6NF 50V K (0603) ROHS	AA	AA
	C109	30012589	CAP SMD 4.7NF 50V K (0603) ROHS	AA	AB
	C110	30012589	CAP SMD 4.7NF 50V K (0603) ROHS	AA	AB
	C111	30000345	CAP EL 10UF 50V M ROHS	AA	AB
	C201	30000400	CAP EL 47UF 50V M ROHS	AA	AB
	C203	30012985	JUMPER SMD 0603 ROHS	AA	AB
	C206	30000371	CAP EL 22UF 50V M ROHS	AA	AB
	C207	30012610	CAP SMD 10NF 50V J (0603) ROHS	AA	AB
	C208	30012610	CAP SMD 10NF 50V J (0603) ROHS	AA	AB
	C401	30000345	CAP EL 10UF 50V M ROHS	AA	AB
	C402	30000289	CAP SMD 10NF 50V K R (0805) ROHS	AA	AB
	C403	30012610	CAP SMD 10NF 50V J (0603) ROHS	AA	AB
	C404	30016654	CAP SMD 100NF 16V K R (0603) ROHS	AA	AB
	C405	30016654	CAP SMD 100NF 16V K R (0603) ROHS	AA	AB
	C406	30012586	CAP SMD 22NF 50V K (0603) ROHS	AA	AB
	C408	30000074	CAP MKT 100NF 63V J RoHS	AA	AC
	C409	30000384	CAP EL 2.2UF 50V M ROHS	AA	AB
	C411	30000074	CAP MKT 100NF 63V J RoHS	AA	AC
	C412	30012586	CAP SMD 22NF 50V K (0603) ROHS	AA	AB
	C413	30016654	CAP SMD 100NF 16V K R (0603) ROHS	AA	AB
	C415	30000362	CAP EL 1UF 50V M. ROHS	AA	AB
	C416	30012586	CAP SMD 22NF 50V K (0603) ROHS	AA	AB
	C417	30000362	CAP EL 1UF 50V M. ROHS	AA	AB
	C418	30000362	CAP EL 1UF 50V M. ROHS	AA	AB
	C419	30000074	CAP MKT 100NF 63V J RoHS	AA	AC
	C420	30000345	CAP EL 10UF 50V M ROHS	AA	AB
	C421	30012581	CAP SMD 1NF 50V K R (0603) ROHS	AA	AB
	C422	30000100	CAP MKT 330NF 63V J ROHS	AA	AD
	C423	30012586	CAP SMD 22NF 50V K (0603) ROHS	AA	AB
	C424	30000109	CAP MKT 470NF 63V J ROHS	AA	AD
	C425	30000074	CAP MKT 100NF 63V J RoHS	AA	AC
	C427	30000362	CAP EL 1UF 50V M. ROHS	AA	AB
	C428	30000362	CAP EL 1UF 50V M. ROHS	AA	AB
	C429	30012586	CAP SMD 22NF 50V K (0603) ROHS	AA	AB
	C431	30016654	CAP SMD 100NF 16V K R (0603) ROHS	AA	AB
	C432	30016654	CAP SMD 100NF 16V K R (0603) ROHS	AA	AB
	C433	30016654	CAP SMD 100NF 16V K R (0603) ROHS	AA	AB
	C434	30012586	CAP SMD 22NF 50V K (0603) ROHS	AA	AB
	C435	30012585	CAP SMD 2.2NF 50V K R (0603) ROHS	AA	AB
	C436	30007082	CAP MKT 680NF 63V J ROHS	AA	AD
	C438	30000384	CAP EL 2.2UF 50V M ROHS	AA	AB
	C440	30012589	CAP SMD 4.7NF 50V K (0603) ROHS	AA	AB
	C441	30016654	CAP SMD 100NF 16V K R (0603) ROHS	AA	AB
	C442	30000362	CAP EL 1UF 50V M. ROHS	AA	AB

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	C443	30000345	CAP EL 10UF 50V M ROHS	AA	AB
	C455	30000345	CAP EL 10UF 50V M ROHS	AA	AB
	C458	30012567	CAP SMD 220PF 50V J (0603) ROHS	AA	AB
	C459	30000345	CAP EL 10UF 50V M ROHS	AA	AB
	C460	30000371	CAP EL 22UF 50V M ROHS	AA	AB
	C465	30012575	CAP SMD 4.7PF 50V C CH (0603) ROHS	AA	AA
	C466	30000345	CAP EL 10UF 50V M ROHS	AA	AB
	C468	30012574	CAP SMD 470PF 50V J (0603) ROHS	AA	AA
	C470	30000074	CAP MKT 100NF 63V J RoHS	AA	AC
	C501	30000074	CAP MKT 100NF 63V J RoHS	AA	AC
	C502	30000396	CAP EL 47UF 16V M ROHS	AA	AB
	C503	30016654	CAP SMD 100NF 16V K R (0603) ROHS	AA	AB
	C504	30012589	CAP SMD 4.7NF 50V K (0603) ROHS	AA	AB
	C508	30012586	CAP SMD 22NF 50V K (0603) ROHS	AA	AB
	C511	30000371	CAP EL 22UF 50V M ROHS	AA	AB
	C512	30012586	CAP SMD 22NF 50V K (0603) ROHS	AA	AB
	C516	30012586	CAP SMD 22NF 50V K (0603) ROHS	AA	AB
	C518	30012560	CAP SMD 100PF 50V J (0603) ROHS	AA	AB
	C519	30012562	CAP SMD 15PF 50V J (0603) ROHS	AA	AA
	C520	30012562	CAP SMD 15PF 50V J (0603) ROHS	AA	AA
	C522	30012985	JUMPER SMD 0603 ROHS	AA	AB
	C523	30012566	CAP SMD 22PF 50V J (0603) ROHS	AA	AB
	C526	30012589	CAP SMD 4.7NF 50V K (0603) ROHS	AA	AB
	C529	30012586	CAP SMD 22NF 50V K (0603) ROHS	AA	AB
	C532	30012586	CAP SMD 22NF 50V K (0603) ROHS	AA	AB
	C534		Jumper Wire		
	C535		Jumper Wire		
	C538	30012560	CAP SMD 100PF 50V J (0603) ROHS	AA	AB
	C539	30000400	CAP EL 47UF 50V M ROHS	AA	AB
	C540	30000315	CAP SMD 220NF 25V Z (0805) ROHS	AA	AB
	C541	30012590	CAP SMD 47NF 50V K (0603) ROHS	AA	AA
	C542	30010571	CAP EL 10UF 16V M ROHS	AA	AA
	C602	30000107	CAP MKT 47NF 250V J RoHS	AA	AD
	C603	30000100	CAP MKT 330NF 63V J ROHS	AA	AD
	C604	30018416	CAP EL 470UF 16V M 105° ROHS	AA	AB
	C605	30000354	CAP EL 100UF 35V M ROHS	AA	AC
	C606	30000092	CAP MKT 220NF 63V J ROHS	AA	AD
	C607	30000078	CAP MKT 1UF 100V M ROHS	AB	AF
	C609	30000371	CAP EL 22UF 50V M ROHS	AA	AB
	C610	30000360	CAP EL 1000UF 25V M. RoHS	AA	AE
	C611	30029804	CAPMKPSAFE12NF1600Vdc/1250Vpp%5RRoHS	AB	AF
	C613	30000350	CAP EL 10UF 250V M. ROHS	AA	AD
	C616	30000172	CAP MKP SAFE 680NF 250V J (P=15) ROHS	AC	AH
	C617	30007750	CAP EL 470UF 35V (H/R 1150MA) ROHS	AA	AD
	C618	30000092	CAP MKT 220NF 63V J ROHS	AA	AD
	C619	30000384	CAP EL 2.2UF 50V M ROHS	AA	AB
	C620	30000315	CAP SMD 220NF 25V Z (0805) ROHS	AA	AB
	C641	30000345	CAP EL 10UF 50V M ROHS	AA	AB
	C642	30012985	JUMPER SMD 0603 ROHS	AA	AB
	C643	30000394	CAP EL 3.3UF 160V M ROHS	AA	AC
	C644	30000345	CAP EL 10UF 50V M ROHS	AA	AB
	C645	30000362	CAP EL 1UF 50V M. ROHS	AA	AB
	C646	30012581	CAP SMD 1NF 50V K R (0603) ROHS	AA	AB
	C647	30000116	CAP MKT 68NF 63V J ROHS	AA	AC
	C648	30012609	CAP SMD 68NF 50V K (0603) ROHS	AA	AB
	C649	30012573	CAP SMD 47PF 50V J (0603) ROHS	AA	AB
	C650	30000294	CAP SMD 100NF 50V K (0805) ROHS	AA	AB
	C651	30000294	CAP SMD 100NF 50V K (0805) ROHS	AA	AB
	C652	30016126	CAP SMD 220NF 16V K R (0603) ROHS	AA	AB
⚠	C801	30000094	CAP MKT SAFE 220NF 275V M AC RoHS	AA	AB
⚠	C802	30000084	CAP MKT SAFE 150NF 275V M AC P=15 ROHS	AC	AG
	C804	30007708	CAP CER 1NF 1KV K (PULSE) ROHS	AA	AD
	C805	30012585	CAP SMD 2.2NF 50V K R (0603) ROHS	AA	AB
	C806	30012581	CAP SMD 1NF 50V K R (0603) ROHS	AA	AB
	C807	30000090	CAP MKT 22NF 100V J ROHS	AA	AB
	C808	30000418	CAP EL 100UF 400V M ROHS	AH	AU
	C810	30000315	CAP SMD 220NF 25V Z (0805) ROHS	AA	AB
	C811	30000345	CAP EL 10UF 50V M ROHS	AA	AB
	C812	30000161	CAP MKP SAFE 47NF 630Vdc / 622Vpp J ROHS	AB	AE

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	C813	30007308	CAP CER 220PF 1KV K (PULSE) ROHS	AA	AD
⚠	C814	30000440	CAP CER SAFE 2.2NF 4KV M RoHS	AA	AC
	C815	30000294	CAP SMD 100NF 50V K (0805) ROHS	AA	AB
	C816	30013533	CAP CER 100PF 1KV K (PULSE) ROHS	AA	AC
	C817	30000431	CAP CER 100PF 1KV M RoHS	AA	AC
	C818	30000433	CAP CER 1NF 1KV M B ROHS	AA	AB
	C819	30000382	CAP EL 2200UF 16V M ROHS	AB	AF
	C820	30036924	CAP EL 100UF 200V M (HR) SHARP AK36	AC	AH
	C821	30000294	CAP SMD 100NF 50V K (0805) ROHS	AA	AB
	C822	30018416	CAP EL 470UF 16V M 105° ROHS	AA	AB
	C823	30000407	CAP EL 470UF 16V M. ROHS	AA	AC
	C824	30000352	CAP EL 100UF 16V M ROHS	AA	AB
	C825	30000352	CAP EL 100UF 16V M ROHS	AA	AB
	C826	30000092	CAP MKT 220NF 63V J ROHS	AA	AD
	C827	30006909	CAP EL 100UF M 250V ROHS	AC	AG
	C829	30012586	CAP SMD 22NF 50V K (0603) ROHS	AA	AB
⚠	C836	30000440	CAP CER SAFE 2.2NF 4KV M RoHS	AA	AC
	C839	30000294	CAP SMD 100NF 50V K (0805) ROHS	AA	AB
	C840	30000294	CAP SMD 100NF 50V K (0805) ROHS	AA	AB
	C841	30000345	CAP EL 10UF 50V M ROHS	AA	AB
	C842	30012586	CAP SMD 22NF 50V K (0603) ROHS	AA	AB
	C905	30000213	CAP CER 180PF 50V J CH RoHS	AA	AB
	C907	30000213	CAP CER 180PF 50V J CH RoHS	AA	AB
	C909	30000213	CAP CER 180PF 50V J CH RoHS	AA	AB
	C910	30000434	CAP CER 1NF 2KV K B ROHS	AA	AB
	C915	30000266	CAP CER 560PF 50V J SL ROHS	AA	AB
	C916	30000266	CAP CER 560PF 50V J SL ROHS	AA	AB
	C917	30000266	CAP CER 560PF 50V J SL ROHS	AA	AB
	C918	30000266	CAP CER 560PF 50V J SL ROHS	AA	AB
	C919	30000266	CAP CER 560PF 50V J SL ROHS	AA	AB
	C920	30000266	CAP CER 560PF 50V J SL ROHS	AA	AB
	C921	30000436	CAP CER 10NF 1KV ZE ROHS	AA	AC
	C923	30000436	CAP CER 10NF 1KV ZE ROHS	AA	AC
			RESISTORS		
	R1		Jumper Wire		
	R1	30001123	RES MO 2W 220R J ROHS	AA	AC
	R101	30012509	RES SMD 1/16W 100K J (0603) ROHS	AA	AB
	R110	30012713	RES SMD 1/16W 75R J (0603) ROHS	AA	AB
	R111	30012713	RES SMD 1/16W 75R J (0603) ROHS	AA	AB
	R113	30012713	RES SMD 1/16W 75R J (0603) ROHS	AA	AB
	R115	30012713	RES SMD 1/16W 75R J (0603) ROHS	AA	AB
	R117	30012986	RES SMD 1/16W 68R J (0603) ROHS	AA	AA
	R118	30012713	RES SMD 1/16W 75R J (0603) ROHS	AA	AB
	R119	30012713	RES SMD 1/16W 75R J (0603) ROHS	AA	AB
	R122	30012713	RES SMD 1/16W 75R J (0603) ROHS	AA	AB
	R123	30012713	RES SMD 1/16W 75R J (0603) ROHS	AA	AB
	R125	30012713	RES SMD 1/16W 75R J (0603) ROHS	AA	AB
	R126	30012695	RES SMD 1/16W 470R J (0603) ROHS	AA	AB
	R127	30012713	RES SMD 1/16W 75R J (0603) ROHS	AA	AB
	R128	30012510	RES SMD 1/16W 100R J (0603) ROHS	AA	AB
	R129	30012641	RES SMD 1/16W 10K J (0603) ROHS	AA	AB
	R130	30012641	RES SMD 1/16W 10K J (0603) ROHS	AA	AB
	R131	30012985	JUMPER SMD 0603 ROHS	AA	AB
	R132	30012985	JUMPER SMD 0603 ROHS	AA	AB
	R2	30000526	RES CF 1/4W 1.5K J ROHS	AA	AB
	R201	30012674	RES SMD 1/16W 27K J (0603) ROHS	AA	AB
	R203	30000583	RES CF 1/4W 220R J ROHS	AA	AB
	R204	30012692	RES SMD 1/16W 4.7K J (0603) ROHS	AA	AB
	R206	30000583	RES CF 1/4W 220R J ROHS	AA	AB
	R3	30000689	RES CF 1/4W 3.9K J ROHS	AA	AB
	R4	30000712	RES CF 1/4W 470R J RoHS	AA	AB
	R401	30014076	RES SMD 1/16W 4.7R J (0603) ROHS	AA	AA
	R402	30014076	RES SMD 1/16W 4.7R J (0603) ROHS	AA	AA
	R408	30000466	RES CF 1/4W 1K J ROHS	AA	AB
	R409	30012510	RES SMD 1/16W 100R J (0603) ROHS	AA	AB
	R410	30012707	RES SMD 1/16W 680R J (0603) ROHS	AA	AB
	R411	30012657	RES SMD 1/16W 1K J (0603) ROHS	AA	AB
	R412	30012667	RES SMD 1/16W 220K J (0603) ROHS	AA	AB

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	R413	30000712	RES CF 1/4W 470R J RoHS	AA	AB
	R414	30012649	RES SMD 1/16W 150R J (0603) ROHS	AA	AB
	R415	30012683	RES SMD 1/16W 330K J (0603) ROHS	AA	AB
	R416	30012713	RES SMD 1/16W 75R J (0603) ROHS	AA	AB
	R417	30012650	RES SMD 1/16W 15K J (0603) ROHS	AA	AB
	R418	30012510	RES SMD 1/16W 100R J (0603) ROHS	AA	AB
	R419	30012510	RES SMD 1/16W 100R J (0603) ROHS	AA	AB
	R420	30000466	RES CF 1/4W 1K J ROHS	AA	AB
	R421	30012674	RES SMD 1/16W 27K J (0603) ROHS	AA	AB
	R422	30012641	RES SMD 1/16W 10K J (0603) ROHS	AA	AB
	R423	30012714	RES SMD 1/16W 820R J (0603) ROHS	AA	AA
	R424	30012714	RES SMD 1/16W 820R J (0603) ROHS	AA	AA
	R425	30012714	RES SMD 1/16W 820R J (0603) ROHS	AA	AA
	R426	30000718	RES CF 1/4W 4.7K J ROHS	AA	AB
	R427	30000717	RES SMD 1/10W 470R J (0805) RoHS	AA	AB
	R428	30012696	RES SMD 1/16W 47K J (0603) ROHS	AA	AB
	R429	30000466	RES CF 1/4W 1K J ROHS	AA	AB
	R430	30000466	RES CF 1/4W 1K J ROHS	AA	AB
	R431	30000466	RES CF 1/4W 1K J ROHS	AA	AB
	R432	30000590	RES CF 1/4W 2.2K J. ROHS	AA	AB
	R433	30000712	RES CF 1/4W 470R J RoHS	AA	AB
	R434	30012657	RES SMD 1/16W 1K J (0603) ROHS	AA	AB
	R435	30012659	RES SMD 1/16W 2.2K J (0603) ROHS	AA	AB
	R436	30012674	RES SMD 1/16W 27K J (0603) ROHS	AA	AB
	R437	30012642	RES SMD 1/16W 120K J (0603) ROHS	AA	AA
	R460	30012698	RES SMD 1/16W 5.6K J (0603) ROHS	AA	AB
	R469	30012683	RES SMD 1/16W 330K J (0603) ROHS	AA	AB
	R470	30000670	RES CF 1/4W 330K J. ROHS	AA	AB
	R474	30000748	RES CF 1/4W 5.6K J RoHS	AA	AB
	R477	30012662	RES SMD 1/16W 2.7K J (0603) ROHS	AA	AB
	R478	30014022	RES SMD 1/16W 47R J (0603) ROHS	AA	AA
	R479	30012510	RES SMD 1/16W 100R J (0603) ROHS	AA	AB
	R480	30012510	RES SMD 1/16W 100R J (0603) ROHS	AA	AB
	R481	30012510	RES SMD 1/16W 100R J (0603) ROHS	AA	AB
	R482	30012657	RES SMD 1/16W 1K J (0603) ROHS	AA	AB
	R5	30000770	RES CF 1/4W 680R J ROHS	AA	AB
	R503	30012707	RES SMD 1/16W 680R J (0603) ROHS	AA	AB
	R507	30012657	RES SMD 1/16W 1K J (0603) ROHS	AA	AB
	R508	30014022	RES SMD 1/16W 47R J (0603) ROHS	AA	AA
	R509	30012641	RES SMD 1/16W 10K J (0603) ROHS	AA	AB
	R510	30012673	RES SMD 1/16W 270R J (0603) ROHS	AA	AB
	R511	30012508	RES SMD 1/16W 1.8K J (0603) ROHS	AA	AB
	R512	30000459	RES CF 1/4W 100R J. ROHS	AA	AB
	R513	30000459	RES CF 1/4W 100R J. ROHS	AA	AB
	R514	30012657	RES SMD 1/16W 1K J (0603) ROHS	AA	AB
	R515	30012692	RES SMD 1/16W 4.7K J (0603) ROHS	AA	AB
	R516	30012692	RES SMD 1/16W 4.7K J (0603) ROHS	AA	AB
	R517	30012692	RES SMD 1/16W 4.7K J (0603) ROHS	AA	AB
	R520	30012698	RES SMD 1/16W 5.6K J (0603) ROHS	AA	AB
	R526	30012985	JUMPER SMD 0603 ROHS	AA	AB
	R528	30012668	RES SMD 1/16W 220R J (0603) ROHS	AA	AA
	R529	30000590	RES CF 1/4W 2.2K J. ROHS	AA	AB
	R531	30012698	RES SMD 1/16W 5.6K J (0603) ROHS	AA	AB
	R533	30012698	RES SMD 1/16W 5.6K J (0603) ROHS	AA	AB
	R534	30000500	RES CF 1/4W 12K J. ROHS	AA	AB
	R535	30012506	RES SMD 1/16W 1.5K J (0603) ROHS	AA	AB
	R537	30000471	RES CF 1/4W 10K J ROHS	AA	AB
	R541	30000500	RES CF 1/4W 12K J. ROHS	AA	AB
	R542	30012508	RES SMD 1/16W 1.8K J (0603) ROHS	AA	AB
	R546	30012692	RES SMD 1/16W 4.7K J (0603) ROHS	AA	AB
	R547	30012641	RES SMD 1/16W 10K J (0603) ROHS	AA	AB
	R549	30012692	RES SMD 1/16W 4.7K J (0603) ROHS	AA	AB
	R560	30000525	RES CF 1/2W 1.5K J ROHS	AA	AB
	R561	30012985	JUMPER SMD 0603 ROHS	AA	AB
	R564	30012641	RES SMD 1/16W 10K J (0603) ROHS	AA	AB
	R565	30012641	RES SMD 1/16W 10K J (0603) ROHS	AA	AB
	R568	30000459	RES CF 1/4W 100R J. ROHS	AA	AB
	R6	30000622	RES CF 1/4W 270R J RoHS	AA	AB
	R601	30000723	RES CF 1/4W 47K J ROHS	AA	AB

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	R602	30012642	RES SMD 1/16W 120K J (0603) ROHS	AA	AA
	R603	30012711	RES SMD 1/16W 75K J (0603) ROHS	AA	AA
	R604	30000718	RES CF 1/4W 4.7K J ROHS	AA	AB
	R605	30012641	RES SMD 1/16W 10K J (0603) ROHS	AA	AB
	R607	30015578	RES SMD 1/16W 2.2R J (0603) ROHS	AA	AA
	R608	30000597	RES SMD 1/10W 22K J ROHS	AA	AB
	R609	30001146	RES MO 2W 33R J ROHS	AA	AB
	R610	30000519	RES CF 1/4W 150R J. ROHS	AA	AB
	R611		Jumper Wire		
	R612	30012508	RES SMD 1/16W 1.8K J (0603) ROHS	AA	AB
	R613	30000828	RES CF 1/4W 8.2M J ROHS	AA	AB
	R614	30000471	RES CF 1/4W 10K J ROHS	AA	AB
	R615	30012510	RES SMD 1/16W 100R J (0603) ROHS	AA	AB
	R616	30001146	RES MO 2W 33R J ROHS	AA	AB
	R617	30012677	RES SMD 1/16W 3.3K J (0603) ROHS	AA	AA
	R618	30000769	RES CF 1/2W 680R J. ROHS	AA	AB
	R619	30000910	RES MF 1/2W 1.8R G ROHS	AA	AB
	R620	30012692	RES SMD 1/16W 4.7K J (0603) ROHS	AA	AB
	R623	30000869	RES MF 1/4W 12K J ROHS	AA	AB
	R624	30000594	RES CF 1/4W 22K J. ROHS	AA	AB
	R625	30000466	RES CF 1/4W 1K J ROHS	AA	AB
⚠	R626	30001227	RES FUSE SAFE 1W 0.22R J RoHS	AA	AC
	R627	30000660	RES CF 1/4W 3.3K J. ROHS	AA	AB
	R628	30014941	RES CF 1/4W 16K J ROHS	AA	AA
	R631	30012508	RES SMD 1/16W 1.8K J (0603) ROHS	AA	AB
	R632	30012641	RES SMD 1/16W 10K J (0603) ROHS	AA	AB
	R633	30000564	RES CF 1/4W 18K J. ROHS	AA	AB
	R634	30012692	RES SMD 1/16W 4.7K J (0603) ROHS	AA	AB
	R635	30012659	RES SMD 1/16W 2.2K J (0603) ROHS	AA	AB
	R636	30001162	RES MO 1W 390R J ROHS	AA	AB
	R637		Jumper Wire		
	R638	30001192	RES MO 1W 680R J ROHS	AA	AB
	R640	30002731	RES SMD 1/10W 68R J ROHS	AA	AB
	R641	30012641	RES SMD 1/16W 10K J (0603) ROHS	AA	AB
	R801	30000983	RES MF 1/4W 4.7K F ROHS	AA	AB
	R802	30012642	RES SMD 1/16W 120K J (0603) ROHS	AA	AA
	R803	30007207	RES SMD 1/10W 22K F ROHS	AA	AA
	R804	30000466	RES CF 1/4W 1K J ROHS	AA	AB
	R805	30000466	RES CF 1/4W 1K J ROHS	AA	AB
	R807	30003638	RES MO 1W 270K J ROHS	AA	AA
	R808	30000452	RES CF 1/4W 10R J. ROHS	AA	AB
	R809	30001201	RES MO 2W 75K J	AA	AA
	R810	30017136	RES MO 1W 0.56R J ROHS	AA	AA
	R811	30001257	RES MG SAFE 1/2W 4.7M J ROHS	AA	AD
	R813	30000470	RES CF 1/2W 10K J ROHS	AA	AA
	R814	30000649	RES CF 1/2W 33R J. ROHS	AA	AB
	R815	30000524	RES SMD 1/10W 150R J (0805) ROHS	AA	AB
	R816	30000470	RES CF 1/2W 10K J ROHS	AA	AA
	R817	30000594	RES CF 1/4W 22K J. ROHS	AA	AB
	R820	30000469	RES SMD 1/10W 1K J 0805 ROHS	AA	AB
	R821	30001215	RES FUSE SAFE 1W 1R J ROHS	AA	AC
	R828		Jumper Wire		
	R829	30012714	RES SMD 1/16W 820R J (0603) ROHS	AA	AA
	R830	30001245	RES FUSE SAFE 1/4W 0.47R J ROHS	AA	AC
	R831	30012677	RES SMD 1/16W 3.3K J (0603) ROHS	AA	AA
	R832	30018085	CAP VAR SAFE 510V K MFCN14D511 ROHS	AA	AD
	R833	20187584	MD.ASY.KTL36-11KTL36	AB	AF
	R901	30000683	RES CF 1/4W 390R J ROHS	AA	AB
	R902	30000683	RES CF 1/4W 390R J ROHS	AA	AB
	R903	30000683	RES CF 1/4W 390R J ROHS	AA	AB
	R904	30000560	RES CF 1/4W 1.8K J ROHS	AA	AB
	R905	30000560	RES CF 1/4W 1.8K J ROHS	AA	AB
	R906	30000560	RES CF 1/4W 1.8K J ROHS	AA	AB
	R907	30000706	RES CF 1/4W 47R J ROHS	AA	AB
	R908	30000706	RES CF 1/4W 47R J ROHS	AA	AB
	R909	30000706	RES CF 1/4W 47R J ROHS	AA	AB
	R910	30000655	RES CF 1/4W 330R J. ROHS	AA	AB
	R911	30000655	RES CF 1/4W 330R J. ROHS	AA	AB
	R912	30000655	RES CF 1/4W 330R J. ROHS	AA	AB

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	R913	30001105	RES MO 1W 15K J ROHS	AA	AB
	R914	30001105	RES MO 1W 15K J ROHS	AA	AB
	R915	30001105	RES MO 1W 15K J ROHS	AA	AB
	R916	30000660	RES CF 1/4W 3.3K J. ROHS	AA	AB
	R917	30000660	RES CF 1/4W 3.3K J. ROHS	AA	AB
	R918	30000660	RES CF 1/4W 3.3K J. ROHS	AA	AB
	R919	30000526	RES CF 1/4W 1.5K J ROHS	AA	AB
	R920	30000526	RES CF 1/4W 1.5K J ROHS	AA	AB
	R921	30000526	RES CF 1/4W 1.5K J ROHS	AA	AB
	R925	30000526	RES CF 1/4W 1.5K J ROHS	AA	AB
			PRINTED WIRING BOARD MODULES (Not Replacement Item)		
		20228935	CHS.ASSY.36-161S11142118V (Mother Unit+CRT Unit)	BE	BV
		20148313	MD.ASY.TP46I-8 IRICO (AK30/36) (RC-LED Unit)	AG	AS
			MISCELLANEOUS PARTS		
⚠	F801	30001731	FUSE SAFE 2.5A 250V 5*20MM	AA	AC
	B-B A-A	30009832	CABL 1P/130 SISRoHS	AA	AB
	J100		Jumper Wire		
	J103	30001984	FIXEDCOIL AXI2.2uH230mAQ55M1.2R2.7x7ROHS	AA	AB
	J104		Jumper Wire		
	J105		Jumper Wire		
	J108		Jumper Wire		
	J112		Jumper Wire		
	J113		Jumper Wire		
	J114		Jumper Wire		
	J115		Jumper Wire		
	J118		Jumper Wire		
	J119		Jumper Wire		
	J123		Jumper Wire		
	J125		Jumper Wire		
	J126		Jumper Wire		
	J128	30002002	FIXEDCOIL AXI47uH340mAQ60K1.22R4x9.8RoHS	AA	AB
	J132		Jumper Wire		
	J135		Jumper Wire		
	J136		Jumper Wire		
	J137		Jumper Wire		
	J138		Jumper Wire		
	J139		Jumper Wire		
	J141		Jumper Wire		
	J142	30000459	RES CF 1/4W 100R J. ROHS	AA	AB
	J145		Jumper Wire		
	J148		Jumper Wire		
	J149		Jumper Wire		
	J153		Jumper Wire		
	J154		Jumper Wire		
	J155	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J157		Jumper Wire		
	J158		Jumper Wire		
	J160		Jumper Wire		
	J161		Jumper Wire		
	J162		Jumper Wire		
	J163		Jumper Wire		
	J165		Jumper Wire		
	J166		Jumper Wire		
	J167	30006712	FERRITE BEAD AXI 3.5x4.7x0.8 ROHS	AA	AB
	J168	30001992	FIXEDCOIL AXI10uH500mAQ85K0.58R4x9.8ROHS	AA	AB
	J173		Jumper Wire		
	J174		Jumper Wire		
	J176		Jumper Wire		
	J177		Jumper Wire		
	J178		Jumper Wire		
	J180		Jumper Wire		
	J181		Jumper Wire		
	J182	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J183		Jumper Wire		
	J184	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J186	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J187		Jumper Wire		

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	J191		Jumper Wire		
	J192		Jumper Wire		
	J194		Jumper Wire		
	J194		Jumper Wire		
	J195		Jumper Wire		
	J195		Jumper Wire		
	J196	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J197	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J198		Jumper Wire		
	J200		Jumper Wire		
	J201		Jumper Wire		
	J202	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J207		Jumper Wire		
	J208		Jumper Wire		
	J210		Jumper Wire		
	J221		Jumper Wire		
	J222	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J223		Jumper Wire		
	J224	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J225		Jumper Wire		
	J228		Jumper Wire		
	J230		Jumper Wire		
	J233	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J234	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J235	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J237	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J238	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J239	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J240	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J245	30012985	JUMPER SMD 0603 ROHS	AA	AB
	J246	30012985	JUMPER SMD 0603 ROHS	AA	AB
	L901		Jumper Wire		
	P-H	30009846	CABL 1P/40 SISRoHS	AA	AB
	PL1	30016521	CNAS 2P/150 TB FLT W/C W/UL2468AWG24RoHS	AA	AE
	PL102	30015053	SOCKET SCART NEW TYPE RoHS	AB	AF
	PL2	30002243	CNAS 5P/220 FLT UL2468 AWG24 ROHS	AA	AE
	PL2	30009846	CABL 1P/40 SISRoHS	AA	AB
	PL403	30031051	CONN HEADER 2P 2.5MM TOP WHT SD RoHS	AA	AA
	PL404	30018456	CNAS 5P/300 SIS W/C+BRT UL1007AWG24RoHS	AB	AF
	PL504	30001783	CONN HEADER 5P 2.5MM TOP GRAY BD	AA	AC
	PL506	30031051	CONN HEADER 2P 2.5MM TOP WHT SD RoHS	AA	AA
	PL507	30019101	CABL 1P/350 DIS UL1672AWG22 RoHS	AA	AB
	PL508	30007732	CNAS 1P/300 AQUA DIS W/CLIPS	AA	AB
	PL509	30031582	CONN HEADER 5P 2.5MM TOP WHT SD RoHS	AA	AA
	PL601	30031051	CONN HEADER 2P 2.5MM TOP WHT SD RoHS	AA	AA
	PL602	30018455	CNAS 3P-4/300 SIS W/C+BRTUL1007AWG24RoHS	AA	AE
	PL603	30031046	CONN HEADER SAFE 2P(V0)7.5MM TOP WHTRoHS	AA	AA
	PL802	30031046	CONN HEADER SAFE 2P(V0)7.5MM TOP WHTRoHS	AA	AA
	PL803	30031050	CONN HEADER SAFE3P(V0)5/7.5MM TOPWHTRoHS	AA	AA
	PL901	30031582	CONN HEADER 5P 2.5MM TOP WHT SD RoHS	AA	AA
	PL902	30001857	SOCKET CRT SAFE B12-262 RoHS	AF	AR
	S1		Jumper Wire		
	S102	30012985	JUMPER SMD 0603 ROHS	AA	AB
	S203	30012985	JUMPER SMD 0603 ROHS	AA	AB
	S406	30012985	JUMPER SMD 0603 ROHS	AA	AB
	S407	30012985	JUMPER SMD 0603 ROHS	AA	AB
	S408	30012985	JUMPER SMD 0603 ROHS	AA	AB
	S410		Jumper Wire		
	S508	30012985	JUMPER SMD 0603 ROHS	AA	AB
	S804	30012985	JUMPER SMD 0603 ROHS	AA	AB
	SW1	30032684	SWITCH TACT(4) ROHS	AA	AA
	SW2	30032684	SWITCH TACT(4) ROHS	AA	AA
	SW3	30032684	SWITCH TACT(4) ROHS	AA	AA
	SW4	30032684	SWITCH TACT(4) ROHS	AA	AA
	SW5	30032684	SWITCH TACT(4) ROHS	AA	AA
	SW801	30017848	SWITCH SAFE ON/OFF 4A/128A JVC(PAN)RoHS	AC	AH
	TH800	30001270	PTC SAFE 9 OHM RoHS	AC	AK
	VL405	30026042	ADJ.COIL VIF 44MHZ Q=64 C=39pF RoHS	AA	AD
		30001954	SPEAKER 16R 3W 3"	AE	AP

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
		30027591	CNAS 2P/350 SPK 90° DIS W/C AWG24 RoHS	AA	AD
⚠		20140518	BACK CVR.1462 EKO2GRAY (I)	AH	AT
		20140991	BUTTON ASSY 1462(FUNC.SILV-ON/OF O.BLUE)	AB	AF
		20152042	BUTTON ON/OFF 1462 OCEAN BLUE(P)	AC	AK
		35008861	SPRING ON/OFF SWITCH 1462 SHARP(SHARP)	AA	AA
		40024077	FOOT RUBBER 3730/31/40/41-		
		20141192	SNOW BOX ASSY 1462 (SHARP)	AC	AH
		20141193	SCR.ASSY.1462 gr	AB	AF
		20151304	PWR CORDASSY.(2.2MT W/FTZ)(LONGWELL)SAFE	AD	AM
⚠		20152039	FRONT 1462 W/H WO/J SLV285S(P)	AP	AZ
		20067215	PCB GUIDE RAIL (HIGH SMALL)		
		40017363	CABLE HOLDER 2162_SF SHARP	AA	AC
		40024075	CABLE HOLDER CRT (I)	AA	AA
		40024080	PCB GUIDE RAIL (HIGH BIG) (I)	AA	AC
		40026851	BRACKET POWER SWITCH (I		
		40026990	PW&AK36 BRAKETI (I)		
		20152095	MD.ASY.TK140-WO/HP 5SW 1462 AK36	AF	AR
		30017782	CNAS SAFE 2P/350 HRZ DIS W/C UL1672AWG24	AA	AD
		30032022	CNAS 2P/400 SIS W/C+FER UL1007AWG24 RoHS	AA	AE
		35000014	EARTH SPRING (2CM)	AA	AB
		50064760	CARTON BOX SHARP SHARP (1462)(2)	AF	AR
		35000136	FUSE HOLDER SAFE TK79-A (GRAY)RoHS	AA	AD
⚠		40026380	FIRE BARRIER (I)(NATURAL-V.0) (AK36).		
		20143026	R/C 1548 SHARP (EKO2GRAY/I) (GRAY/S)	AM	AY
		20142231	R/C KIT 1548 SHARP	AN	AY
		50075280	I/B SHARP 14LM-40E(RU) 92195/1548/EN/RU	AA	AB
		30002005	FIXED COIL 65UH 4A RAD 8*12 ROHS	AA	AE
		40016816	LOGO SHARP (W/P-SİLVER BRUSH-HST) SMALL	AB	AF

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